

Title (en)
GPS SYNCHRONIZATION FOR WIRELESS COMMUNICATIONS STATIONS

Title (de)
GPS-SYNCHRONISATION FÜR FUNKKOMMUNIKATIONSSTATIONEN

Title (fr)
SYNCHRONISATION GPS POUR STATIONS DE COMMUNICATIONS SANS FIL

Publication
EP 1966905 A4 20110316 (EN)

Application
EP 06846818 A 20061227

Priority
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Abstract (en)
[origin: WO2007076510A2] A method and system are specified to determine, provide, and exploit the precise time base relations between the distinct signal timings of the Global Positioning System (GPS) and a wireless communications system (WCS) for which the internal WCS downlink time base standards are not inherently synchronized to GPS timing. These downlink signal synchronization facilities are particularly beneficial for a wireless location system (WLS) and related methods and subsystems that provide mobile-station location determination through the exploitation of the time base synchronization information, e.g., to assist a GPS-equipped mobile station in determining its GPS-derived measurements with enhanced efficiency and accuracy.

IPC 8 full level
G01S 19/09 (2010.01); **H04B 7/00** (2006.01); **G01S 19/03** (2010.01); **G01S 19/46** (2010.01)

CPC (source: EP GB KR US)
G01S 19/03 (2013.01 - EP US); **H04B 7/00** (2013.01 - GB); **H04L 7/00** (2013.01 - KR); **H04L 7/10** (2013.01 - KR)

Citation (search report)
• [X] WO 03098957 A1 20031127 - ERICSSON TELEFON AB L M [SE]
• [A] WO 0133302 A2 20010510 - QUALCOMM INC [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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WO 2007076510 A2 20070705; WO 2007076510 A3 20080117; AU 2006330481 A1 20070705; AU 2006330481 B2 20100909; BR PI0620843 A2 20111129; CA 2635579 A1 20070705; CA 2635579 C 20120529; CN 101395817 A 20090325; CN 101395817 B 20130529; EP 1966905 A2 20080910; EP 1966905 A4 20110316; GB 0812623 D0 20080820; GB 2447816 A 20080924; GB 2447816 B 20110202; IL 192491 A0 20090211; IL 192491 A 20130930; JP 2009522879 A 20090611; JP 4916515 B2 20120411; KR 101010275 B1 20110124; KR 20080080417 A 20080903; US 2007161385 A1 20070712; US 7593738 B2 20090922

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